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## **Numerically Obtaining the Black Hole Universality Class**

*Tuesday 14 June 2016 09:30 (15 minutes)*

I will discuss methods to find and extract critical exponents from numerical black holes. This procedure is nontrivial because numerically we compute only the temperature and entropy; assumptions will be made about the complete thermodynamical description via a First Law and Smarr Relation, and tools such as Padé Approximants will be examined. This procedure will be quite general, allowing for utility in scenarios ranging from higher curvature theories to anisotropic solutions.

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